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# Symbolic Dynamics Hyperbolic Groups Lecture

**symbolic dynamics and relatively hyperbolic groups** - symbolic dynamics and relatively hyperbolic groups 169 thus, the left action of on  $[f]_g$  is finitely presented if it is of finite type. the example of dynamical system of finite type of  $z$  described above has the special symbol property. all finite groups also have it (more examples in section 4). **symbolic dynamics, automorphic functions, and ...** - symbolic dynamics for the geodesic flow on the considered hyperbolic surface  $\Gamma \backslash \mathbb{H}$ . for subgroups  $\Gamma$  of  $psl_2(\mathbb{Z})$  of finite index they could be shown by "twisting" the  $psl_2(\mathbb{Z})$ -setup with the unitary representation of  $psl_2(\mathbb{Z})$  induced from the trivial one-dimensional representation of  $\Gamma$  [6, 7, 8]. in this way, the symbolic dynamics, **symbolic dynamics and self-similar groups** - symbolic dynamics and self-similar groups volodymyr nekrashevych ... the paper is an overview of the results and methods in symbolic dynamics via self-similar groups. our aim is to describe the algebraic structure behind the com- ... hyperbolic), called the limit dynamical system. both objects are uniquely constructed from the bimodule  $m$ . a ... **ergodic theory, symbolic dynamics, and hyperbolic spaces** - chapter 3 dynamics of geodesic and horocycle flows on surfaces of constant negative curvature 71 anthony manning 3.1 definitions of the geodesic and horocycle flows 71 3.2 symbolic dynamics 76 3.3 density of horocycles 83 3.4 the ergodicity of the geodesic flow 87 3.5 exercises grouped by section 89 3.6 bibliography 90 **hyperbolic dynamics, markov partitions and symbolic ...** - hyperbolic dynamics, markov partitions and symbolic categories, chapters 1 and 2. misha gromov ... 1.7 symbolic dynamics, periodic points and  $\psi$ -functions. . . . . 18 ... 3 hyperbolic symmetries and hyperbolic groups. 76 4 symbolic coding and markov partitions. 76 5 bibliography. 76 abstract **rational embeddings of hyperbolic groups - exportxiv** - rational embeddings of hyperbolic groups james belk collin bleaky francesco matucci ... these statements can be viewed as assigning a certain kind of symbolic dynamics to the action of the group  $g$  on  $@g$ (or  $@x$ ). ... symbolic dynamics for actions of hyperbolic groups on their boundaries have been studied extensively (see [11]), but this ... **arxiv:math/0209010v1 [math] 2 sep 2002** - symbolic dynamics and relatively hyperbolic groups franc\_ois dahmani\*, asliyaman † abstract : we study the action of a relatively hyperbolic group on its boundary, by methods of symbolic dynamics. under a condition on the parabolic subgroups, we show that this dynamical system is finitely presented. **symbolic dynamics, automorphic functions, and ...** - symbolic dynamics, automorphic functions, and ... for hyperbolic surfaces (orbifolds)  $\Gamma \backslash \mathbb{H}$  and transfer operator techniques to ... of transfer operators along sequences of hecke triangle groups. 1 ... **boundaries of hyperbolic groups - harvard department of ...** - in section 16 we discuss symbolic. boundaries of hyperbolic groups 3 dynamics and viewing a hyperbolic group and its boundary as an abstract dynamical system. finally various miscellaneous topics are presented in section 17. 2. definition and basic properties of the boundary **holomorphic dynamics and hyperbolic geometry shaun bullett ...** - holomorphic dynamics and hyperbolic geometry shaun bullett, qmul overview rational maps are self-maps of the riemann sphere of the form  $z!p(z)=q(z)$  where  $p(z)$  and  $q(z)$  are polynomials. kleinian groups are discrete subgroups of  $psl(2; \mathbb{C})$ , acting as isometries of 3-dimensional hyperbolic space **symbolic dynamics for the modular surface and beyond** - symbolic dynamics for the modular surface and beyond ... abstract. in this expository article we describe the two main methods of representing geodesics by symbolic sequences and their development. a geometric method stems from a 1898 work of j. hadamard and was developed ... may be applied to all finitely generated fuchsian groups. another ... **schedule of talks - pennsylvania state university** - schedule of talks semi-annual workshop in dynamical systems and related topics ... symbolic dynamics for geodesic flow on  $cat(-1)$  spaces 4:30 - 5:20 vaughn climenhaga. leaf measures via dynamical dimensions ... groups and other gromov hyperbolic groups. this is joint work with amos nevo. clark butler (university of chicago) ... **the pennsylvania state university the graduate school ...** - the pennsylvania state university the graduate school symbolic dynamics of the weyl chamber flow a dissertation in ... let  $\mathbb{H}^2$  be the hyperbolic plane with constant curvature 1 and be a fuchsian ... coding of geodesics on the hyperbolic plane 20 3.1 fuchsian groups and coding of geodesics according to morse . . . . 20 **foliation dynamics, shape and classification** - foliation dynamics, shape and classification steve hurder university of illinois at chicago ...  $c_2$ -foliation of codimension-1 always has hyperbolic fixed-points for its holonomy pseudogroup. theorem: [rosenberg & roussarie, 1970] there exists ... groups  $\psi^n(x)$ ,  $n \geq 2$  are ...

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